

**DENBIGHSHIRE COUNTY COUNCIL.**

# **ANNUAL REPORT**

on the

# **Health of Denbighshire**

for the

**Y E A R 1 9 4 9**

(This Report, due to the sudden death in February, 1950, of Dr. H. Arwel Thomas, the late County Medical Officer of Health, has been prepared by

**T. KENRICK HUGHES,**

**M.B., Ch.B., D.P.H.,**

Deputy County Medical Officer).

**16 Grosvenor Road,  
Wrexham.**

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## **PREFACE.**

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### **To the Chairman and Members of the County Health Committee.**

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Mr. Chairman, Ladies and Gentlemen,

I have the honour of presenting the Annual Report for the year 1949, which would normally have been presented by the late Medical Officer of Health, Dr. H. Arwel Thomas, whose tragic death occurred on February 24th, 1950.

During 1949, there was a general consolidation of the services brought into effect by the National Health Service Act, 1946, which are now working more smoothly and with beneficial results. There is, however, a great shortage of places in sanatoria and institutions which makes the problem of dealing effectively with the Tuberculosis scourge and mental defective question impossible, and is a matter that requires serious consideration.

The Infant Mortality rate has risen to 40.4 as compared with 38.2 in 1948. This was due to a large increase in the death of illegitimate infants, whereas the death rate among legitimate infants was actually lower than in 1948. The infant mortality rate for England and Wales was 32.0.

There have been no deaths from Diphtheria during the year, being the second year in succession that this has been achieved. The number of cases notified was 7 as compared with 8 in 1948. Immunisation against Diphtheria can be thanked for this happy result, and has been carried on vigorously throughout the County. The position in regard to Vaccination is rather depressing in view of recent outbreaks of Smallpox in the country. The number of children vaccinated continues to dwindle year by year. The extinction of the Public Vaccinator is to be deprecated as some parents are now at a loss to know where to get their children vaccinated.



There was a slight increase in Maternal Mortality. During the year there were 3 deaths from Puerperal causes and one from Puerperal Sepsis, making a Maternal Mortality rate of 1.3 per 1000 births. Last year the mortality rate was 0.9 and the deaths 3, which was the lowest on record.

The Ambulance and Sitting-case Car Service has functioned very well, though expensively, but the costs were reduced considerably when it was made necessary for sitting-case cars to be ordered through the Health Office. Any further reduction in the cost can only be obtained by greater stringency on the part of General Practitioners, Hospital Authorities, etc., in the issuing of certificates, for on them lies the onus of deciding who requires transport.

It is with regret that I announce the retirement of Miss M. E. Thorpe, who had been Superintendent Health Visitor and Inspector of Midwives for 18 years and was the first to hold this post. She did valuable work in organising the Nursing Service, and retired in February. In her place, and due to the extension of the Nursing Service by the operation of the Health Service Act whereby the Local District Nurses were transferred to the County Council, it was decided to appoint a Superintendent and Deputy and the posts were filled respectively by Miss W. M. Chune and Miss Eirlys Jones.

I have to thank the Chairman and Members of the Health Committee for their help and co-operation in the work of the Health Department.

I have been indebted to the Clerk of the County Council, Mr. W. E. Bufton, and his staff for their advice and assistance in matters connected with the work referred to them, and I am deeply grateful to them.

Finally, I must say how much I appreciate the excellent manner in which all the members of the staff have worked together, Medical, Dental, Nursing and Clerical, for only in this way can we hope for efficiency.

Yours faithfully,

T. KENRICK HUGHES,

Deputy County Medical Officer.



## COUNTY HEALTH STAFF.

---

### County Medical Officer:

[Dr. H. Arwel Thomas, M.Sc., M.B., Ch.B., D.P.H.]

### County Obstetric Officer:

Mr. R. Owen Jones, F.R.C.S.

### Deputy County Medical Officer:

Dr. T. Kenrick Hughes, M.B., Ch.B., D.P.H.

### Assistant County Medical Officers:

Dr. S. Owen Edwards, M.B., Ch.B., D.P.H.

Dr. M. Jones Roberts, M.B., Ch.B., D.P.H.

Dr. W. McKendrick, M.D., D.P.H.

Dr. T. P. Edwards, M.B., B.S., D.P.H.

### Senior Dental Officer:

Mr. D. Glen Thomson, L.D.S., R.C.S. (Eng.).

### Assistant Dental Officers:

Mr. H. E. Fussell, L.D.S.

Mr. J. G. Roberts, L.D.S.

Mr. R. A. Rider.

### Nursing Staff:

Miss M. E. Thorpe (Superintendent Health Visitor and Inspector of Midwives) (resigned February, 1949).

Miss W. M. Chune (Superintendent Nursing Officer) (appointed July, 1949).

Miss Eirlys Jones (Deputy Superintendent Nursing Officer) (appointed July, 1949).

Miss K. Jones (Health Visitor).

Miss E. A. Bodsworth (Health Visitor).

Miss C. J. Thomas (Health Visitor).

Miss M. D. Evans (Health Visitor).

Miss M. E. Jones (Health Visitor).

Miss E. M. Tyler (Health Visitor).  
 Mrs. D. Williams (Health Visitor) (resigned 31/8/1949).  
 Mrs. I. E. Garner (Health Visitor).  
 Mrs. E. G. E. Rees (Health Visitor).  
 Miss S. C. Evans (Health Visitor) (commenced 1/9/1949).  
 Miss E. A. Beech (Health Visitor) (commenced  
 7/11/1949).  
 Mrs. M. Williams, Colwyn Bay (Health Visitor).  
 Miss F. V. Ramsay (Health Visitor).  
 Miss E. Griffiths (Health Visitor).  
 Mrs. L. Warne (School Nurse).  
 Mrs. Martin (School Nurse).  
 Miss N. T. Capleton (Health Visitor).

### **District Nurses and Midwives:**

Miss S. M. Thomas Abergele.	Mrs. N. Holly, Llansilin.
Miss F. Rothwell, Abergele.	Miss G. E. Edwards,
Miss H. W. Pearse,	Llanarmon-yn-Ial.
Broughton.	Miss M. Williams,
Mrs. E. Parry, Brynteg.	Llangerniew.
Miss S. Williams, Bwlchgwyn.	Miss E. Roberts, Llangollen.
Mrs. E. E. Lloyd, Brymbo.	Miss G. Llewelyn, Llanrwst.
Miss N. Evans, Cefn.	Miss F. MacLellan, Llay.
Mrs. M. I. Edwards, Cefn.	Mrs. O. Parry, Llay.
Mrs. M. B. Evans, Cefn.	Miss M. J. Jones, Nantglyn.
Miss B. Edwards, Cerrig.	Miss N. Pritchard, Old Colwyn.
Mrs. G. M. Williams, Chirk.	Miss A. Penny, Pentrevoelas.
Miss E. G. Faulkner,	Mrs. M. Taylor, Rhostyllen.
Clawddnewydd,	Miss M. Williams, Rhewl.
(resigned 30/11/49).	Mrs. E. A. Forrester Jones,
Mrs. M. Jones, Coedpoeth.	Rhos.
Miss M. Watson, Colwyn Bay.	Mrs. S. Clayton Williams,
Miss A. Shaw, Colwyn Bay.	Rhos.
Mrs. M. Cheney, Colwyn Bay.	Miss M. Williams, Rhos.
Miss A. O. Davies, Denbigh.	Miss M. H. Edwards, Ruabon.
Miss K. Roberts, Dolwen.	Miss M. P. Smith, Ruthin.

Miss D. P. Flint, Garth.	Miss A. Davies, Trefnant.
Miss M. A. Matthias, Gwersyllt.	Mrs. M. E. Mansley, Wrexham.
Mrs. N. Crump, Gwersyllt.	Mrs. A. B. Blackwell, Wrexham.
Miss B. Tuite, Gresford.	Mrs. E. Thomas, Wrexham.
Mrs. D. G. Hughes, Glynceiriog.	Miss E. M. Jones, Wrexham.
Miss A. Llewelyn, Glan Conway.	Miss J. Manson, Wrexham.
Miss A. E. Jones, Llysfaen.	Miss A. W. Richards (Emergency Nurse).
Miss E. Davies, Llansannan.	Miss Anne Jones (Emergency Nurse).

### Dental Attendants:

Miss I. M. A. Lee.	Miss E. Bellis.
Mrs. M. Jarvis.	Miss J. H. Sanderson.

### Clerical Staff:

Mr. J. T. Pritchard (Assistant Administrative Officer).  
 Mr. T. J. Davies (Senior Clerk).  
 Miss E. Hughes.  
 Mr. J. E. Evans.  
 Mr. Gwilym Davies.  
 Miss D. G. Jones.  
 Miss K. Rooney.  
 Miss M. Whittaker.  
 Mr. David Davies (in H.M. Forces).  
 Miss B. Bailey.  
 Miss G. Hughes (commenced 1/3/49).  
 Miss A. Cudworth (commenced 11/7/49).  
 Miss M. Parry (commenced 24/10/49).  
 Miss B. Richards (commenced 1/9/49) (Borough of Wrexham).  
 Miss R. Onions (Borough of Wrexham).  
 Mrs. G. Storr (Borough of Colwyn Bay).

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1949.

Districts	Estimated Population	No. of Births.	Birth-rate.	No. of Infant Deaths	Rate of Infant Mortality.	No. of Deaths	Death Rate
<b>Urban.</b>							
Abergele .....	7395	137	18.7	2	14.3	90	12.1
Colwyn Bay ..	23290	258	11.7	13	50.4	372	15.9
Denbigh .....	7877	126	15.9	9	71.4	93	11.8
Llangollen ..	3033	56	18.4	—	—	41	13.5
Llanrwst .....	2670	59	20.2	—	—	49	18.3
Ruthin .....	3625	44	12.1	1	22.7	52	14.3
Wrexham ...	29640	575	19.4	29	50.4	360	12.1
Total Urban	77530	1255	16.1	54	43.0	1057	13.6
<b>Rural.</b>							
Aled .....	6985	121	10.1	4	33.0	75	10.7
Ceiriog .....	7360	124	17.0	1	8.0	116	15.7
Hiraethog ...	5272	70	13.2	3	42.8	65	12.3
Ruthin .....	9305	147	15.7	5	34.0	133	14.2
Wrexham ...	62000	1152	18.5	49	41.4	749	12.0
Total Rural	90922	1614	17.5	62	38.4	1138	12.5
Total County	168452	2869	17.0	116	40.4	2195	13.0

## STATISTICS.

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Live Births :—	Males	Females	Total
Legitimate .....	1438	1282	2720
Illegitimate .....	77	72	149
Birth-rate per 1000 of the estimated population .....		17.0	
Still-births .....	58	48	106
Rate per 1000 (live and still- births) .....		36.9	
Deaths .....	1098	1097	2195
Rate per 1000 of the estimated resident population .....		13.0	
		Rate per 1000 total live and still-births	
	Deaths		
Deaths from Puerperal Causes			
Puerperal and Post. Abort.			
Sepsis .....	1		0.34
Other Maternal Causes .....	3		1.04
Death rate of infants under one year :—			
All infants per 1000 live-births .....	116		40.4
Legitimate infants per 1000 legitimate births .....	105		38.6
Illegitimate infants per 1000 illegitimate births .....	11		73.5

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## RATES FOR ENGLAND AND WALES.

The Registrar-General furnishes the following rates for England and Wales :—

Birth-rate .....	16.7
Death-rate .....	11.7
Infant Mortality .....	32.0

## Births and Birth-rates.

2869 births were registered during the year, as compared with 3029 in 1948. This gives a birth-rate of 17.0 per 1000 population as compared with 18.0 in the previous year. The birth-rate for England and Wales was 16.7.

The following table gives the number of births, deaths and infant deaths for each of the past 10 years:—

**TABLE II.**

Year	Estimated Population	No. of Births	Birth-rate per 1000	No. of Deaths	Death-rate per 1000	No. of deaths under 1 year of age	Infantile death- rate per 1000 births
1940 ...	167540 ...	2395 ...	14.2 ...	2546 ...	15.1 ...	192 ...	78.7
1941 ...	181510 ...	2617 ...	14.4 ...	2375 ...	13.0 ...	180 ...	68.7
1942 ...	175850 ...	2769 ...	15.6 ...	2015 ...	11.4 ...	154 ...	55.6
1943 ...	169250 ...	2939 ...	17.3 ...	2167 ...	12.8 ...	143 ...	48.6
1944 ...	164630 ...	2890 ...	17.5 ...	2033 ...	12.3 ...	128 ...	44.2
1945 ...	162390 ...	2636 ...	16.2 ...	2168 ...	13.4 ...	160 ...	60.5
1946 ...	165020 ...	2952 ...	17.8 ...	2177 ...	13.1 ...	130 ...	44.0
1947 ...	166430 ...	3340 ...	20.0 ...	2227 ...	13.3 ...	145 ...	43.4
1948 ...	167493 ...	3029 ...	18.0 ...	2024 ...	12.0 ...	116 ...	38.2
1949 ...	168452 ...	2869 ...	17.0 ...	2195 ...	13.0 ...	116 ...	40.4

The following Sanitary Districts show a Birth-rate above that of the County:—

Llanrwst .....	20.2
Wrexham Borough .....	19.4
Abergele .....	18.7
Wrexham Rural .....	18.5
Llangollen .....	18.4



The following Sanitary Districts show a Birth-rate below that of the County:—

Denbigh .....	15.9
Ruthin Rural .....	15.7
Hiraethog .....	13.2
Ruthin Borough .....	12.1
Colwyn Bay .....	11.7
Aled .....	10.1

The Birth-rate for Ceiriog was similar to that of the County, viz., 17.0.

### Deaths and Death Rates.

There were 2195 deaths registered in the County during the year as compared with 2024 deaths the previous year. This gives a death rate of 13.0 per 1000 population in 1949 as against 12.0 in 1948.

### Chief Causes of Death.

The principal causes of death are shown in the following table:—

**TABLE III.**

Cause of Death.	No. of Deaths.	1948.			1949.		
		Per cent. of Total Deaths.		No. of Deaths.	Per cent. of Total Deaths.		
Heart Disease .....	569	...	28.1		...	667	...
Cancer .....	361	...	17.8	...	347	...	15.8
Intra-cranial vascular lesions .....	280	...	13.8	...	291	...	13.2
Pneumonia .....	73	...	3.6	...	75	...	3.4
Congenital malformation, birth injuries, infantile diseases, premature births ...	80	...	3.9	...	70	...	3.1
Tuberculosis (all forms) .....	71	...	3.5	...	73	...	3.3
Bronchitis .....	93	...	4.5	...	97	...	4.4
Nephritis .....	45	...	2.2	...	53	...	2.4
Other circulatory diseases .....	65	...	3.2	...	77	...	3.5
Digestive diseases ...	48	...	2.3	...	45	...	2.0



The following Sanitary Districts show a Death rate above that of the County, viz.:—

Llanrwst .....	18.3
Colwyn Bay .....	15.9
Ceiriog .....	15.7
Ruthin Borough .....	14.3
Ruthin Rural .....	14.2
Llangollen .....	13.5

The following Sanitary Districts show a Death rate below that of the County, viz.:—

Hiraethog .....	12.3
Wrexham Borough .....	12.1
Abergele .....	12.1
Wrexham Rural .....	12.0
Denbigh .....	11.8
Aled .....	10.7

### Heart Disease.

Heart Disease constitutes the principal cause of death. 667 deaths were recorded in 1949 as compared with 569 in 1948, this being a percentage of 30.3 of the total deaths from all causes, and equivalent to a death rate of 3.9 per thousand of the estimated population.

Of this figure of 667 total deaths due to heart disease, 530 or 79.4 per cent. occurred amongst persons of 65 years or over.

The following table analyses the deaths from heart disease at various age periods. Figures for previous years are given for the sake of comparison.

**TABLE IV.**

Year	All ages	0—	5—	15—	45—	65 and upwards
1937 ...	575 ...	1 ...	3 ...	32 ...	121 ...	418
1938 ...	486 ...	1 ...	2 ...	23 ...	110 ...	350
1946 ...	589 ...	— ...	— ...	18 ...	94 ...	477
1947 ...	614 ...	— ...	— ...	21 ...	116 ...	426
1948 ...	569 ...	— ...	— ...	8 ...	95 ...	466
1949 ...	667 ...	— ...	4 ...	16 ...	117 ...	530

**Cancer.**

Cancer accounted for 347 deaths during the year as compared with 361 in 1948.

The following table gives the number of deaths from Cancer, together with death-rates in the Administrative County for the past 10 years:—

**TABLE V.**

Year.	No. of Deaths.	Death-rate per 1000 population.
1940	295	1.7
1941	326	1.7
1942	281	1.5
1943	318	1.8
1944	314	1.8
1945	345	2.2
1946	343	2.0
1947	344	2.0
1948	361	2.1
1949	347	2.0

The following table gives the death rates from all causes of Cancer according to Sanitary Districts:—

**TABLE VI. (a) Cancer.**

District.	Deaths.			Rate per 1000 popula- tion.
	Males.	Females.	Total.	
<b>Urban Districts.</b>				
Abergele .....	7	7	14	1.0
Colwyn Bay ....	28	36	64	2.7
Denbigh .....	4	6	10	1.2
Llangollen .....	—	5	5	1.6
Llanrwst .....	2	4	6	2.2
Ruthin .....	3	6	9	2.4
Wrexham .....	36	28	64	2.1
<b>Rural Districts.</b>				
Aled .....	6	5	11	1.5
Ceiriog .....	3	8	11	1.4
Hiraethog .....	10	4	14	2.6
Ruthin .....	16	7	23	2.4
Wrexham .....	65	51	116	1.8
	180	167	347	2.0

**TABLE VI. (b) Cancer—Age and Sex Distribution.**

Age Group.	Urban.			Rural.			Grand Total.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total
Under 1 year .....	1	—	1	—	—	—	1	—	1
1-5 years .....	—	—	—	—	1	1	—	1	1
5-15 years .....	—	—	—	—	—	—	—	—	—
15-45 years .....	3	11	14	4	9	13	7	20	27
45-65 years .....	31	34	65	37	24	61	68	58	126
65 years and upwards	45	47	92	59	41	100	104	88	192
	80	92	172	100	75	175	180	167	347

**TABLE VII. Maternal Mortality.**

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
County Maternal Mortality Rate .....	4.0	3.5	4.8	3.2	2.3	1.0	2.5	2.6	1.4	0.9	1.3
Puerperal Sepsis .....	2	3	3	4	2	—	1	2	1	—	1
Other Puerperal Causes .....	6	6	10	5	3	3	6	6	4	3	3
	—	—	—	—	—	—	—	—	—	—	—
	8	9	13	9	5	3	7	8	5	3	4
	—	—	—	—	—	—	—	—	—	—	—

4 maternal deaths occurred in the County during the year as compared with 3 in the preceding year. This gives a maternal mortality rate of 1.3 per thousand (live and still-births).

Each maternal death is investigated by the County Obstetric Officer, Superintendent Nursing Officer and Health Visitors; confidential reports on the circumstances of each death being forwarded to the Ministry of Health.

### Infant Mortality.

The infant mortality rate for 1949 was 40.4 per 1000 live births as compared with 38.2 in 1948, an increase of 2.2 per 1000. The rate for England and Wales was 32.0.

The illegitimate death rate rose to 73.8 from 18.6 in 1948, and has caused the increase in the general rate for the County.

The chief causes of the deaths of infants continue to be "prematurity," and the group known as "congenital malformation, birth injury."

**TABLE VIII. Causes of Infant Deaths, 1949.**

DISEASE.	Districts			
	Urban		Rural	
	Males	Females	Males	Females
Measles .....	—	—	—	—
Cerebro-Spinal Fever .....	1	1	1	—
Tuberculosis of the Res. System. ....	—	—	—	—
Other forms of T.B. ....	—	—	—	—
Bronchitis .....	—	—	—	2
Pneumonia .....	4	5	7	4
Diarrhoea .....	4	2	2	3
Other digestive diseases .....	—	1	—	—
Whooping Cough .....	1	—	—	—
Premature Birth .....	6	6	6	4
Cong. Mal. Birth. Inj. Inf. Dis. .	7	12	12	11
Other violent causes .....	1	—	—	—
All other causes .....	3	—	6	4
Totals .....	27	27	34	28

**COUNTY OF DENBIGH.**  
**TABLE IX. Causes of Death, 1949.**

Causes.	Abergele Urban.	Aled R.D.	Ceiriog R.D.	Colwyn Bay Boro'.	Denbigh Boro'.	Hiraethog R.D.	Llangollen U.D.	Llanrwst U.D.	Ruthin Boro'.	Ruthin Rural.	Wrexham Boro'	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-Spinal Fever .....	..	..	..	2	..	..	..	..	..	..	..	1	3
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ....	..	..	..	..	..	..	..	..	..	..	1	..	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of the Resp. Syst. ....	2	5	2	7	1	..	..	1	3	4	13	24	62
Other Forms of Tuberculosis .....	1	1	..	..	1	..	1	..	..	1	4	2	11
Syphilitic Diseases ...	..	..	..	1	1	..	..	..	..	..	1	5	8
Influenza .....	..	..	3	5	3	2	1	3	2	7	..	7	33
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Ac. polio-myel and polio. enceph. ....	..	..	..	..	..	..	..	..	..	..	..	..	..
Ac. Inf. enceph. ....	..	..	..	..	..	..	..	..	..	..	1	1	2
Cancer, Malignant Disease .....	14	11	11	64	10	14	5	6	9	23	64	116	347
Diabetes .....	..	..	1	3	..	2	1	..	..	1	1	8	17
Intra. cran. vasc. lesions .....	11	6	22	50	10	10	5	6	10	23	38	100	291
Heart Disease .....	28	23	44	112	41	15	16	14	15	39	102	218	667
Other Circ. Dis. ....	8	1	8	29	1	1	..	2	2	4	7	14	77
Bronchitis .....	3	4	4	14	2	6	1	5	2	4	16	36	97
Pneumonia .....	1	5	1	5	4	1	1	2	..	9	17	29	75
Other Resp. Dis. ...	4	1	1	8	..	5	1	1	1	1	12	12	47
Ulcer of stomach or duodenum .....	..	1	2	3	1	2	..	..	..	..	4	9	22
Diarrhoea (under 2 years) .....	..	..	..	1	3	..	..	..	..	1	2	6	13
Appendicitis .....	..	..	1	2	..	..	..	..	..	..	1	2	6
Other Digve. Dis. ...	3	4	2	8	1	1	2	2	1	3	12	20	59
Nephritis .....	4	1	1	11	5	1	3	1	..	6	7	13	53
Puer. and post. abort. sepsis .....	..	..	..	..	..	..	..	..	..	..	..	1	1
Other maternal causes .....	..	..	..	1	..	..	..	..	..	..	..	2	3
Prem. Birth .....	..	..	1	1	4	..	..	..	..	1	7	8	22
Con. mal birth inj. infant dis. ....	2	3	1	8	..	2	..	..	1	1	11	19	48
Suicide .....	..	1	2	2	..	..	..	..	..	..	1	10	16
Road Traffic Ac. ....	..	1	2	3	1	..	..	..	..	..	3	8	18
Other violent causes	1	1	5	8	..	1	1	2	3	..	8	8	38
All other causes .....	8	6	2	24	4	2	3	4	3	5	27	70	158
All causes .....	90	75	116	372	93	65	41	49	52	133	360	749	2195

**TABLE X.**

The percentage of deaths at different age periods are given below:—

Age Periods.	Percentage of Total Deaths.
0— 1 .....	5.3
1— 5 .....	0.5
5—15 .....	0.8
15—45 .....	6.7
45—65 .....	23.0
65 and upwards .....	63.0

### **LABORATORY FACILITIES.**

The Laboratories undertaking a variety of examinations for the County are:—

The Pathological Laboratory, Maelor General Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

University College of North Wales, Bangor.

### **Food and Drugs Acts.**

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

### **INFECTIOUS DISEASES.**

#### **Scarlet Fever.**

249 cases of Scarlet Fever were notified in the County during the year, as compared with 273 in the previous year. The largest outbreaks occurred in Wrexham Rural (96 cases), Wrexham Borough (92 cases).



### Whooping Cough.

Cases of Whooping Cough notified during the year numbered 207, as compared with 906 cases in 1948. One death only was registered (Wrexham Borough).

### Measles (excluding German Measles).

There were 820 notifications of measles during 1949 as compared with 1537 in the year 1948.

### Diphtheria.

7 cases only of Diphtheria were notified during the year, as compared with 8 cases in the preceding year.

No deaths from Diphtheria were registered during 1949.

**TABLE XI.**  
**Notifications and Deaths from Diphtheria.**

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Notifications .....	407	396	318	174	186	86	38	25	8	7
Deaths .....	21	13	13	5	5	1	—	1	—	—

### DIPHTHERIA IMMUNISATION.

The number of children immunised in the County during the year 1949 was as follows:—

Under 5 years of age .....	2207
Between 5—15 years .....	232
	2439
“ Repeat ” doses .....	3032

Since 1937, the number of children immunised in the County is 53,266.

The following table shows the percentage of children immunised in the several sanitary districts in the County:—



	Children 1—5 years.	Children 5—15 years.
<b>Urban Districts.</b>		
Abergele .....	77.1	96.5
Colwyn Bay .....	85.6	93.5
Denbigh .....	82.5	90.8
Llangollen .....	90.5	97.6
Llanrwst .....	95.9	97.8
Ruthin .....	86.5	96.3
Wrexham .....	64.1	85.9
<b>Rural Districts.</b>		
Aled .....	79.8	95.2
Ceiriog .....	79.8	92.5
Hiraethog .....	95.2	96.3
Ruthin .....	86.2	98.7
Wrexham .....	74.5	87.3

### VACCINATION AGAINST SMALLPOX.

Vaccination is carried out by General Practitioners. During the year, 432 children and 131 adults were vaccinated.

## INFECTIOUS DISEASES.

TABLE XII. (a).

The following table furnishes particulars respecting the notifications received during 1949, and for comparative purposes the nine preceding years are shewn:—

Disease	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Diphtheria .....	407	396	318	174	186	86	38	25	8	7
Erysipelas .....	71	55	67	62	34	42	37	39	55	41
Scarlet Fever .....	317	246	227	275	294	276	157	149	273	249
Enteric Fever (including Typhoid and Paratyphoid) .....	16	16	8	7	6	7	3	2	4	1
Puerperal Pyrexia .....	12	22	19	15	5	15	8	3	7	1
Cerebro-spinal Fever .....	192	83	32	13	9	9	1	10	10	3
Acute Poliomyelitis .....	6	...	2	1	7	3	1	25	1	4
Ophthalmia Neonatorum .....	12	5	2	1	4	3	4	6	...	...
Pulmonary Tuberculosis .....	218	210	176	209	221	212	214	195	173	212
Other Forms of Tuberculosis ...	72	64	82	68	59	37	30	41	40	49
Pneumonia .....	341	278	200	195	149	167	177	197	205	150
Encephalitis Lethargica .....	1	4	3	...	...	...	...	...	...	...
Acute Polio-encephalitis .....	...	2	1	...	...	...	...	...	...	...
Dysentery .....	119	22	60	36	60	49	46	2	9	4
Measles (excl. German Measles) .	2373	1390	888	1403	154	2252	659	1317	1537	820
Malaria .....	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	394	746	272	198	429	175	256	259	906	207
Chickenpox .....	...	...	6	...	8	...	...	7	10	1
Totals .....	4551	3539	2363	2657	1625	3333	1631	2277	3238	1749

TABLE XII (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District.	Pneumonia.	Scarlet Fever.	Ophthalmia Neonatorum.	Erysipelas.	Cerebro-spinal Fever.	Diphtheria.	Puerperal Pyrexia.	Measles.	Acute Polio-Myelitis.	Dysentery.	Whooping Cough.	Chickenpox.	Ent. Fev. (Typh. & Paratyphoid)	Pulmonary Tuberculosis.	Other Forms of Tuberculosis
Abergele .....	4	6	—	5	1	—	—	158	2	—	44	—	—	20	1
Aled .....	6	6	—	1	—	—	—	39	—	—	24	—	—	7	—
Ceiriog .....	—	13	—	1	—	—	—	37	—	—	5	—	—	5	3
Colwyn Bay .....	12	14	—	6	—	1	—	31	—	—	44	—	—	20	5
Denbigh .....	3	3	—	1	—	—	—	2	2	3	2	—	—	12	13
Hiraeathog .....	1	3	—	—	—	—	—	3	—	—	16	—	—	2	1
Llangollen .....	—	3	—	—	—	—	—	29	—	—	1	1	—	2	—
Llanrwst .....	—	2	—	—	—	—	—	2	—	—	2	—	—	6	—
Ruthin Borough .....	7	2	—	2	—	—	—	132	—	—	6	—	—	4	3
Ruthin Rural .....	6	5	—	2	—	—	—	183	—	—	10	—	—	11	2
Wrexham Borough .....	47	92	—	5	1	—	1	83	—	1	20	—	1	46	9
Wrexham Rural .....	64	96	—	18	1	6	—	121	—	—	33	—	—	77	12
Totals .....	150	249	—	41	3	7	1	820	4	4	207	1	1	212	49

**TABLE XIII.**

The following table gives the number of deaths from infectious diseases notified during the year, also for comparative purposes, the figures for the previous years:—

Diseases.	1943	1944	1945	1946	1947	1948	1949
Typhoid and Paratyphoid .....	—	—	2	—	—	1	—
Measles .....	2	2	4	—	—	2	—
Scarlet Fever .....	1	—	—	2	—	—	—
Whooping Cough .....	1	4	1	5	2	2	1
Diphtheria .....	5	5	1	—	1	—	—
Encephalitis Lethargica	—	—	—	—	—	—	—
Cerebro-spinal Fever ...	1	2	4	5	1	2	3
Acute Polio - Encephalitis .....	1	1	—	—	3	—	—
Acute Inf. Encephalitis .	1	1	2	3	4	1	2
Tuberculosis, Pulmonary .....	63	73	72	67	69	63	62
Tuberculosis, Non-Pulmonary .....	18	13	14	12	15	8	11

**TUBERCULOSIS.**

62 deaths from Pulmonary Tuberculosis were registered during the year as compared with 63 in the previous year. 11 deaths from Non-Pulmonary causes were recorded, compared with 8 in 1948.

The death rate per million population was 433.2.

TABLE XIV. TUBERCULOSIS.

Number of Cases on the County Tuberculosis Register for the years 1938-49.

Year	No. on Register			Deaths		Death Rate per Million of Population	
	Pulm.	Non-Pulm.	Total	Pulm.	Non-Pulm.	County of Denbigh	Wales and Mon.
1938	1020	470	1490	79	15	599.9	812
1939	986	453	1439	80	14	587.3	759
1940	1089	494	1583	81	24	626.7	796
1941	1109	527	1636	92	20	617.0	794
1942	1189	578	1767	67	19	489.1	750
1943	1344	631	1975	63	18	478.6	751
1944	1478	672	2150	73	13	522.4	715
1945	1593	692	2285	72	14	529.6	718
1946	1568	645	2213	67	12	479.0	683
1947	1616	650	2266	69	15	505.0	693
1948	1591	595	2186	63	8	423.8	—
1949	1293	434	1727	62	11	433.2	—

**TABLE XV.**  
**Public Health (Tuberculosis) Regulations, 1924.**

Active Cases on Registers according to Sanitary Area.

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele Urban	38	6	12	—	15	4	35	2
Females .....	46	10	8	1	25	10	29	1
Aled Rural	54	27	3	—	43	23	14	4
Females .....	58	23	4	—	48	22	14	1
Ceiriog Rural	26	7	2	3	4	1	24	9
Females .....	15	5	3	—	5	2	13	3
Colwyn Bay	67	16	12	1	8	1	71	16
Females .....	65	21	8	4	9	—	64	25
Denbigh Borough	29	14	10	9	4	8	35	15
Females .....	43	14	2	4	1	2	44	16
Hiraethog	24	15	2	1	—	—	26	16
Females .....	25	10	—	—	—	—	25	10

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1924—continued.

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban	15	2	1	—	1	—	15	2
<i>Females</i>	10	1	1	—	5	—	6	1
Llanrwst	25	8	3	—	—	1	28	7
<i>Females</i>	12	8	3	—	1	—	14	8
Ruthin Borough	8	3	3	1	—	1	11	3
<i>Females</i>	14	5	1	2	4	1	11	6
Ruthin Rural	34	7	7	1	2	—	39	8
<i>Females</i>	60	20	4	1	3	3	61	18
Wrexham Bor.	193	71	24	4	111	56	106	19
<i>Females</i>	140	49	22	5	89	34	73	20
Wrexham Rural	314	147	47	4	61	18	300	133
<i>Females</i>	276	109	30	8	71	26	235	91
Totals	1591	598	212	49	510	213	1293	434



TABLE XVI.

Public Health (Tuberculosis) Regulations, 1930.

Part I.

Summary of notifications during the period from 1st January, 1949, to 31st December, 1949.

	FORMAL NOTIFICATIONS.															Total Notifica- tions
	Number of Primary Notifications of new cases of Tuberculosis.															
	0—	1—	2—	3—	4—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	
Age Groups.....	0—	1—	2—	3—	4—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	
Respiratory Males .....	...	2	3	5	5	5	5	3	7	30	22	16	13	13	1	
Respiratory Females ...	...	...	3	5	4	9	22	23	8	8	1	2	1	1	86	
Non-Respiratory Males ...	...	...	3	5	4	4	...	1	1	1	...	2	...	...	20	
Non-Respiratory Females ...	...	2	2	4	5	...	5	1	1	1	...	...	...	...	20	

## Part II.

## Supplemental Return.

**Part II.**  
New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above mentioned period, OTHERWISE than by formal notification.

[illegible]

The source or sources from which information as to the above-mentioned cases was obtained are stated below :—

Source of Information.	No. of Cases.	
	Respira- tory.	Non- Respira- tory.
Death Returns :—		
From Local Registrars .....	2	1
Transferable Deaths from Registrar General .....	—	—
Posthumous Notifications .....	1	—
“Transfers” from other areas (other than Transferable Deaths) .....	—	—
Other sources, if any (specify) .....	—	—
Total .....	3	1

## CARE OF MOTHERS AND YOUNG CHILDREN

### (Section 22).

#### Ante-Natal Clinics.

The number of Ante-Natal Clinics situate in the County shows no change from last year, viz., 11. These are attended by the County Obstetrician, the Resident Medical Officer at the Trevalyn Manor Maternity Hospital and the Assistant County Medical Officers. Mr. R. Owen Jones, F.R.C.S., and Dr. C. F. Lucas, Trevalyn Manor, remain in the joint service of the Regional Hospital Board and the Local Health Authority. These arrangements prove to be very satisfactory.

#### Post-Natal Clinics.

Post-Natal patients are usually examined at the Ante-Natal Clinics, but at Wrexham, where the number is large, a separate Post-Natal Clinic is held weekly.

## Young Children.

Notifications of births occurring in the County are supplied to the respective Health Visitors in each area, who pay visits to the home as soon as possible after the 10th day following birth. The Health Visitors pay great attention to these visits which are continued until the child attains the age of 5 years.

## Dental Treatment.

The dental treatment of expectant and nursing mothers, together with the treatment of children under 5 years of age, is undertaken by the Senior and Assistant Dental Officers and a report on this Service appears on pages 29 - 33.

## Care of Unmarried Mothers.

Owing to lack of suitable accommodation in the County, unmarried mothers and/or their children are admitted to suitable Homes outside the County by arrangement.

During the year under review one unmarried mother was admitted to the Salvation Army Hostel, "Elmswood," Mossley Hill, Liverpool, the cost of maintenance being borne by the County Council.

At the time of preparing this report there are signs that Bersham Hall may be made available for the admission of such cases occurring in the six North Wales Counties.

## Infant Welfare Centres.

No. of Centres provided by County Council ..... 29

Total No. of attendances:—

(1) Children under 1 year ..... 23315

(2) Children between 1 and 5 years ..... 12864

No. of children attending Centres for the first time:—

Under 1 year ..... 2594

1—5 years ..... 812

## Ante-Natal and Post-Natal Clinics.

No. of Clinics provided by County Council ..... 12

Total No. of attendances at all Clinics ..... 8928

## ANNUAL REPORT OF THE OBSTETRIC SERVICE.

**Clinics.**

Total new cases examined at all Clinics .....	2027
Re-attendance examinations .....	6748
Post-natals .....	593
<hr/>	
Total examinations .....	9368
<hr/>	

Out of a total of 2869 births in the County, it is therefore evident that 70 per cent. of the pregnant women were examined at a County Clinic. There are other small clinics, e.g. Chirk Hospital; Croesnewydd, etc., held in these hospitals, which do good supervisory work and refer the frank abnormals. Combined with the cases seen by their own doctors, and those supervised by the district midwives in the more isolated areas, the ante-natal supervision is, on the whole, satisfactory. Indeed, there is some occasional overlap—a patient who is examined by her own doctor and is also seen at the clinic—but, however, it is all helpful to the patient.

The clinics were conducted by Dr. C. F. Lucas (Resident Medical Officer at Trevalyn Maternity Hospital) in the Wrexham area; by Dr. William McKendrick in the Colwyn Bay area; by Dr. Jones Roberts in the Denbigh, Ruthin, Cerrig, Llanrwst area; by Dr. Barry Jones in the Borough of Wrexham; and I held clinics in most areas.

The relative number of home to hospital confinements at the present time is governed by many factors outside the scope of this brief report—housing, home helps, etc. As an example of what happens, where there are just sufficient maternity beds available in hospital, the Wrexham and East Denbighshire figures are of interest. Out of 1907 births in that area, 518 occurred at home (number of midwives 26), i.e. 27 per cent. were confined at home. Of interest also to an Authority which had the control of most of the hospitals admitting maternity cases prior to July, 1948:—

Trevalyn (Denbighshire County Council)	816	births
Croesnewydd (Denbighshire County Council) .....	382	„
Llangollen (Voluntary) .....	50	„
Chirk (Voluntary) .....	141	„

and out of these admissions 116 were not from Denbighshire.

### Maternal Mortality.

There were four deaths. In two, aged 39 and 41 years, death was due to the same cause—Paralytic Ileus following Caesarean Section in hospital. One died at Colwyn Bay and one at Trevalyn. I operated on one of them and another surgeon on the other.

The other two died at home—one at the seventh month of pregnancy died suddenly at home due to a heart condition (old standing Rheumatic Carditis. Patent foramen ovale). The other died of Pulmonary Embolism on the third day after her confinement.

Two of the cases had attended clinics; one had been attended ante-natally by her doctor and one had been attended ante-natally by her midwife.

R. OWEN JONES.



## DENTAL SERVICES.

---

### Expectant and Nursing Mothers and Young Children.

---

Dear Dr. Hughes,

I have pleasure in submitting my report on the work of dental treatment for Expectant and Nursing Mothers and Young Children during the year 1949.

#### Clinics.

Clinics have been held at Cefn, Chirk, Denbigh, Llangollen, Llanrwst, Rhos, Ruthin and Wrexham. The premises at Rhos and Denbigh Clinics have been decorated and have been fairly well equipped with modern dental appliances. It is hoped that Colwyn Bay Clinic premises also will be decorated in the near future, as they are most unsatisfactory and create a bad impression of the Service. Patients are apt to judge the type of treatment given by the cleanliness and general appearance of a Clinic.

Owing to the shortage of dental officers it has not been possible to inspect every expectant mother following her first attendance at the Ante-natal Clinic, neither has it been possible to offer dental treatment to the mothers in Western Area No. 1 (Colwyn Bay), but it is hoped that when the replacement of Mr. Craine and Mr. Ross Wallis is effected, this will be provided.

There has been considerable increase in the number of children under school age referred to the dental officers, and it is hoped that these cases will continue to increase. When the difficulties of staffing are overcome it will be possible to give this priority group more conservative treatment and thus retain the deciduous teeth which would avoid the unfortunate results due to the early loss of temporary teeth.

Dentures are supplied to all Expectant and Nursing Mothers requiring same. These are made by a firm of mechanics in Liverpool, and impressions, bites and trays are forwarded by post. In my last report for 1948 a scheme was

proposed to establish a Dental Laboratory at Wrexham to deal with dentures and regulation appliances for school children. I suggest that Expectant and Nursing Mothers requiring dentures should be referred to the same Laboratory. All cases requiring X-Rays are referred to the nearest Hospital, and this service is very good.

## MATERNITY AND CHILD WELFARE.

---

### Treatment of Children under 5 years of age.

No. children referred for treatment .....	110
No. children inspected .....	97
No. found to require treatment .....	63
No. made dentally fit .....	60
No. actually treated .....	63
Attendances for treatment .....	103
Temporary extractions .....	121
General anaesthetics given for extractions .....	61
Local anaesthetics given for extractions .....	9
X-Ray .....	1
Gum treatment .....	1
Advice .....	37



**TABLE XVII.**  
**DENTAL TREATMENT.**  
**(a) Numbers provided with Dental Care.**

	No. examined.	No. needing treatment	No. treated.	No. made dentally fit.
Expectant and Nursing Mothers .....	318	318	312	162
Children under 5 years .....	97	63	63	60

**TABLE XVIII.**  
**(b) Forms of Dental Treatment provided.**

	Extrac- tions.	Local Anaes- thetics.	General Anaes- thetics.	Fillings.	Scalings or Scaling and Gum Treat- ment.	Silver Nitrate Treat- ment.	Dress- ings.	Radio- graphs.	Complete dentures provided.	Partial dentures provided.
Expectant and Nursing Mothers ....	2420	30	400	72	15	—	38	7	189	67
Children under 5 years of age .....	121	9	61	—	1	—	—	2	—	—

**TABLE XIX.**  
**DENTAL SERVICE.**

**MATERNITY AND CHILD WELFARE**  
**ANNUAL RETURN OF WORK.**

**Year ending December 31st, 1949.**

	Expectant Mothers.	Nursing Mothers.	Total.
No. referred for treatment ....	150	168	318
No. accepting treatment .....	147	165	312
No. completed treatment .....	40	122	162
No. of attendances for treat- ment .....	509	1010	1519
No. of sessions for treatment ...	42	116	158
No. of broken appointments ...	100	200	300
<b>Anaesthetics.</b>			
General Anaesthetics .....	130	270	400
Local Anaesthetics .....	15	15	30
<b>Extractions.</b>			
Permanent Teeth .....	800	1620	2420
Temporary Teeth .....	—	—	—
<b>Fillings.</b>			
Dentures supplied .....	21	51	72
Adjustments .....	49	207	256
Repairs .....	31	117	148
Sundries .....	7	16	23
	6	17	23
Advice .....	30	63	93
Scaling and Gum Treatment ...	7	8	15

TABLE XX. DENTAL SERVICE.

Maternity and Child Welfare Annual Return of Work—January to December 31st, 1949.

	Western Area 1.	Western Area 2.	Eastern Area 1.	Eastern Area 2.	Combined Total Return.
No. referred for treatment .....		34	243	41	318
No. accepting treatment .....		30	242	40	312
No. completed treatment .....		13	126	23	162
Attendances for treatment .....		179	1223	117	1519
Sessions devoted to treatment .....		36	108.5	13.5	158
Broken appointments .....		135	144	21	300
<b>Anaesthetics.</b>					
General Anaesthetics .....		21	337	42	400
Local Anaesthetics .....		18	12	—	30
<b>Extractions.</b>					
Permanent Extractions .....		211	1971	238	2420
Temporary Extractions .....	Nil Return.	—	—	—	—
<b>Fillings.</b>					
Dentures supplied .....		20	44	8	72
Adjustments .....		25	209	22	256
Repairs .....		19	126	3	148
Sundries .....		—	22	1	23
Advice .....		5	18	—	23
Scaling and Gum Treatment .....		11	76	6	93
		5	7	3	15

## REPORT OF SUPERINTENDENT NURSING OFFICER.

---

I have pleasure in submitting my first report on the Health Visiting, Domiciliary Nursing and Midwifery Service in the County for the year ended 31st December, 1949.

The year has been successful in so much that all the vacancies which existed on the Nursing Staff have been filled and there is no area which is now not served by a District Nurse Midwife. Pentrevoelas and Cerrigydruidion, which were without full-time Nurses for some time were each supplied with a Nurse Midwife and the work is being carried out satisfactorily.

Six Midwives have been successful in obtaining the Gas/Air Analgesia Certificate since July. There are now 50 per cent. of staff trained in Gas/Air Analgesia, and those who have been supplied with the apparatus are using them successfully on their districts. The practical training for the Certificate is taken at Trevalyn Manor Maternity Hospital and the theoretical training at Liverpool Maternity Hospital.

One Nurse is taking her district training with a grant made by the County Council at a Queen's Institute of District Nursing Training Home in Liverpool. She will return to the County under contract to work here for a minimum of two years.

The number of domiciliary midwifery cases has decreased, a position which is general throughout the country. The number of general sick cases attended by the District Nurses has, however, increased.

It is felt that with the extension of the Domestic Help Scheme the number of home confinements will in all probability increase. The Domestic Help Service and the District Nursing Service are closely allied and the Nurses co-operate well in securing suitable women to act as Domestic Helps.

Visits were made to the County during the latter half of the year by the Regional Nursing Officer of the Welsh Board of Health and the Area Officer of the Queen's Institute of District Nursing, and both Inspectors were complimentary about the nursing services in the County.

Efforts are being made to supply the Nursing Staff with the necessary up to date equipment, which has been so long unobtainable, thus ensuring that they are adequately equipped for the efficient performance of their duties. Some of the Nurses' accommodation is of a very low standard, but it is hoped that a suitable house will be allocated to each area in the near future. A few of the County Council cars used by the Nurses are in a poor state and cause great anxiety because of the fear of them breaking down at a crucial time. Four District Nurse Midwives have recently purchased their own cars, and priority orders have been obtained for four others to purchase cars.

Very little change has occurred in the Health Visiting Service during this year. It is regretted that the vacancy in the Ruabon area, which occurred in July when Miss Eirlys Jones, who was the Health Visitor there, was appointed Deputy Superintendent Nursing Officer, has not yet been filled despite frequent advertising. The work so far as is possible is being carried out by Health Visitors on the adjacent area.

The Health Visitors, District Nurses and Midwives co-operate very well; they work closely together in the Ante-Natal Clinics, and Child Welfare Centres which continued to be well attended. The Child Welfare Centre at Gresford, which was opened during the year, is proving to be very well attended and the mothers who attend are very grateful to have one in their own area.

More demands are being made on the Health Visitors in connection with the Domestic Help Scheme and the visiting of the aged in their homes, which demands are likely to increase.

There is good co-operation between the Health Department and the Almoners of the various hospitals with regard to the after care of patients discharged from hospital.

In November a very interesting and instructive one-day Refresher Course was arranged by the Midwives in East Denbighshire. It was held at the Wrexham Clinic, 1 Grosvenor Road, and all Midwives from this County and adjacent areas were invited to attend as many of the lectures as possible. Three excellent lectures were given by eminent men—Mr. S.

Burke, F.R.C.S., County Obstetrician, Salop; Dr. F. Bruce, M.B., M.R.C.O.G., Liverpool University; and Mr. R. Owen Jones, F.R.C.S., of this County; also a visit was made to Trelvalyn Maternity Hospital where Dr. C. F. Lucas gave a short address.

The Course was very well attended and enjoyed by all and felt to be most beneficial. We have been asked to arrange another in 1950.

Miss Jones, Deputy Superintendent Nursing Officer, and myself have visited each Nurse several times since commencing duties in July, and we feel satisfied that a high standard of work is being carried out, which, with the continued help of the Council, we will endeavour to maintain at all times.

W. M. CHUNE,

Superintendent Nursing Officer.



## Summary of Work of Health Visitors.

District.	No. of visits to children under 1 year.		No. of visits to children 1—5 years.	Expectant mothers.	
	First visits.	Total visits.		First visits.	Total visits.
Rhos and Penycæ .....	171	875	1264	21	56
Rhostyllen, Ruabon, Marchwiel, Isycoced and Abenbury .....	110	414	555	3	3
Coedpoeth, Southsea, New Broughton .....	169	1287	759	26	26
Brymbo, Broughton, Summerhill .....	201	914	1030	37	37
Llay, Gresford, Rhosrobin .....	245	1506	838	8	10
Llangollen and Cefn .....	178	960	1208	2	2
Abergele and part of Aled .....	165	918	1449	57	71
Denbigh and part of Aled .....	232	883	861	2	3
Llanrwst Area .....	157	1022	1762	21	31
Llansilin, Chirk and Glynceiriog .....	220	1074	2259	—	—
Ruthin Borough, Ruthin Rural and Cerrig .....	153	170	171	—	—
Borough of Colwyn Bay .....	236	1890	742	5	37
Borough of Wrexham .....	623	3456	3332	56	56
Totals .....	2860	15369	16230	238	332



**TABLE XXII.**  
**Summary of Work of District Nurses.**

Area.	No. of Nurses.	Cases attended.			Visits.	
		General.	Midwifery.	Confinements.	General.	Midwifery.
<b>Western No. 1.</b>						
Abergele .....	2{	583	140	52	14534	1549
Colwyn Bay .....	5}					
<b>Western No. 2.</b>						
Aled .....	4}					
Denbigh .....	1}					
Hiracthog .....	3}	1498	281	64	23014	3844
Llanrwst .....	1}					
Ruthin Borough .....	1}					
Ruthin Rural .....	4}					
<b>Eastern No. 1.</b>						
Ceiriog .....	4}					
Llangollen .....	1}	2238	632	287	43497	9193
Wrexham Rural .....	19}					
<b>Eastern No. 2.</b>						
Wrexham Borough .....	6	211	518	162	10640	4487

**TABLE XXIII.**  
**MIDWIFERY SERVICE**  
**(Section 23).**

Provision of Motor Cars to District Nurses:—

District Nurse Midwives using their own cars .....	18
District Nurse Midwives using County Council cars	11
District Nurse Midwives without cars .....	17

**Gas and Air Analgesia.**

The number of Midwives in the County trained in the administration of Gas and Air Analgesia is 25.

**SUPPLY OF MIDWIVES.**

	Domiciliary Midwives.	In Institutions.	Total.		
Employed by Local Supervising Authority .....	48	...	—	...	48
Employed by Voluntary Associa- tions:—					
(1) Under arrangement made with Local Supervising Authority .....	—	...	—	...	—
(2) Other .....	—	...	45	...	45
In Private Practice .....	15	...	—	...	15
	—	—	—	—	—
	63	45			108
	—	—	—	—	—

## MIDWIFERY SERVICE.

### Particulars of Cases attended by Domiciliary Midwives.

By salaried  
Midwives and  
District Midwives.

---

No. of times Medical Aid sent:—	
(a) during pregnancy .....	14
(b) during labour .....	126
(c) during puerperium .....	13
(d) for infants .....	17
No. of still-births notified .....	27
No. of forceps deliveries .....	66
No. of deaths of infants, 1 month .....	7
No. of maternal deaths .....	—
No. of maternity cases .....	130

---

### MIDWIVES ACT, 1918—SECT. 14.

No. of patients for whom medical aid was summoned by a certified midwife .....	238
Total amount of medical claims .....	£498 1 6

### SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 15,301 packets (dried milk).

### OPHTHALMIA NEONATORUM.

No cases of Ophthalmia Neonatorum were notified during the year.

### REGISTRATION OF NURSING HOMES.

(Sections 187 to 194 of the Public Health Act, 1936).

---

	Number of Homes.	Number of beds provided for:		
		Maternity.	Others.	Total.
Homes first registered during the year .....	1	—	6	6
Total Homes on the register at the end of the year .....	10	13	105	118

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## **PREVENTION OF ILLNESS, CARE AND AFTER-CARE**

### **(Section 28).**

The administration of the service under Section 28 for the prevention of illness, care and after-care of sick persons, is carried out by the District Committees which have been formed.

#### **Tuberculosis.**

The Chest Physician for the area is Dr. H. M. Williams, who is employed as Joint Officer of the Regional Hospital Board and the Local Health Authority. Suspected cases of Pulmonary Tuberculosis are referred to the Chest Physician for examination and report.

Whole-time Tuberculosis Health Visitors have not yet been appointed, the response to advertisements having been most disappointing. Until these Officers are appointed the homes of patients are visited by the Health Visitors and District Nurses of the County Council.

#### **Provision of Nursing Equipment.**

The Local Health Authority has made arrangements with the British Red Cross Society and the Order of St. John for the supply and loan of equipment from their Depots situate in various centres in the County. The Local Health Authority have become responsible for both replacements and additions required at the respective Depots.

#### **Domestic Help Scheme.**

The number of Domestic Helps in the County has greatly increased, but so far the majority are engaged in the Wrexham area. Each request for a Domestic Help, which has to be supported by a medical certificate, is carefully investigated either by the Superintendent Nursing Officer or her Deputy. Where a Domestic Help is granted, following up visits to the houses are made at regular intervals by the Health Visitors and the Deputy Superintendent Nursing Officer.

A charge is made for the services of a Domestic Help in accordance with a scale of charges adopted by the County Council. Each applicant is informed of the charge before the Domestic Help commences duties. The assessing of the applicants and the payment to the Domestic Helps is undertaken by this Department. The service is proving a boon to households where the mother is ill and also particularly to aged people who otherwise would be compelled to go into hospital.

It is hoped that the scheme will be extended to the whole of the County in the near future.

No. of cases attended by Domestic Helps :—

(a) Maternity .....	55
(b) General sickness .....	96
	—
Total .....	151
	—
No. of Domestic Helps engaged .....	42



## AMBULANCE SERVICE

### (Section 27).

There are 22 ambulances based on 13 Stations throughout the County available for the conveyance of general ambulance patients, and also able to deal with any emergencies (street accidents, maternity cases, etc.), which may arise. One ambulance is kept at the Colwyn Bay Isolation Hospital and two at the Wrexham Isolation Hospital. These are used solely for the conveyance of infectious cases. There is also one ambulance at the Maelor General Hospital, Wrexham, used for ambulance work within the hospital and for inter-hospital transfers.

During the year the Ambulance Service (apart from the three hospital ambulances) has been run, on behalf of the County Council, by the voluntary organisations who provided the Service prior to July 5th, 1948, the County Council being responsible for all expenses incurred by the organisations, including running costs, broken-time allowances to personnel, and reimbursement of out-of-pocket expenses.

Before the Appointed Day one full-time driver at Wrexham and two full-time drivers at Abergele were employed by the voluntary organisations, and their services have been retained by the County Council. It should be stated, however, that most of the work falls on the shoulders of voluntary personnel, and a tribute must be paid to them for the most efficient and commendable way in which they have carried out their duties.

As it was to be expected there was an increase on the number of patients conveyed by ambulance when the National Health Service Act came into operation, but it is gratifying to note that after the first two months or so, the number of patients conveyed and miles travelled has remained fairly constant. During the period 5th July, 1948, and 31st December, 1948 (six months), 6,643 patients were carried by ambulance and the mileage was 99,687. These figures compare very favourably with those given on the following table, which, of course, are for 12 months.

TABLE XXV. STATISTICS.

Name of Ambulance.	No. of cases conveyed.	Total mileage.
Abergele .....	212	8973
Colwyn Bay .....	684	13021
Colwyn Bay Isolation Hospital .	95	746
Cerrigydruidion .....	42	2955
Denbigh .....	177	6077
Llangerniew .....	63	3626
Llanrwst .....	78	2957
Ruthin .....	224	8620
Brymbo .....	1013	15388
Cefn .....	608	12945
Chirk .....	254	5634
Llay .....	1388	12496
Rhos .....	1029	11499
Wrexham .....	7765	61123
Wrexham Isolation Hospital ...	546	3142
Wrexham E.M.S. Hospitals .....	940	5688
	<hr/> 15118	<hr/> 174890

### SITTING-CASE CAR SERVICE.

The conveyance of sitting cases is still being undertaken by local car hirers and taxi proprietors, and for this work they are being paid at the following rates:—

#### Day-time (8 a.m. to 8 p.m.).

9d. per mile and 2/6d. per hour waiting time.

3/6d. minimum charge for local journeys.

#### Night-time (8 p.m. to 8 a.m.).

1/6d. per mile and 5/- per hour waiting time.

5/- minimum charge for local journeys.

In common with other Local Health Authorities this County was faced with the problem of trying to keep, to a reasonable limit, the cost of the Sitting Case Car Service which had increased more than two-fold during the first half of the year. It was decided to tackle the problem by bringing in a measure of Central Control, and accordingly in September, 1949, all hospitals, general practitioners and other users of the Service in the County were informed that all requests for sitting case cars (except in cases of emergency) were to be submitted to the County Medical Officer of Health, and all arrangements with the taxi proprietors would be made by the Health Department. The outcome of this was that, not only did the number of requests decrease, but it was found possible in some cases to cut down the number of cars used by arranging for two or more patients to be conveyed together. Furthermore, the co-operation of the hospitals was obtained by arranging for them to (a) discharge patients at the same time of the day, and (b) fix the times of appointment of out-patients attending for treatment in such a way that persons from the same outlying areas could be brought to the hospital together.

It can be said that these measures have been successful when one considers that in July, 1949, the number of patients conveyed by car was 1,615 and mileage 34,760 at a cost of £1,495 compared with 820 patients conveyed, a mileage of 18,901 at a cost of £776 in December, 1949.

## SITTING CASE CAR SERVICE.

Month.	No. of cases conveyed.	Total Mileage
January .....	606	18343
February .....	1103	26558
March .....	1377	27775
April .....	1443	32536
May .....	1582	34746
June .....	1503	35636
July .....	1615	34760
August .....	1566	32661
September .....	1049	22730
October .....	882	20428
November .....	885	19313
December .....	820	18901
Totals .....	14331	324387

## VOLUNTARY CAR POOL SERVICE.

Drivers of the Voluntary Car Pool Service, which has been organised in certain parts of the County, are paid at the rate of 6d. a mile, together with a small subsistence if the journey necessitates them being away from home over 4 hours.

The work of organising and controlling this particular service has been carried out by Mr. Edward Roberts, Llanfair D.C., and I am indebted to him for the most helpful way in which he has co-operated with the Health Department.

No. of cases conveyed .....	337
Total mileage .....	19078

## MENTAL HEALTH SERVICE.

### Annual Report of the Chief Authorised Officer for the Year 1949.

I beg to submit the following particulars relating to cases dealt with under the Lunacy Act, 1890, and the Mental Treatment Act, 1930.

#### LUNACY ACT, 1890.

	Males.	Females.
No. of cases certified under the above Act and removed to the North Wales Hospital for Nervous and Mental Disorders, Denbigh, during the year 1949 .....	30	29
No. of cases discharged during the year 1949 .....	11	15
No. of cases who died during the year 1949 .....	7	19

#### MENTAL TREATMENT ACT, 1930.

##### VOLUNTARY PATIENTS.

No. of Voluntary Patients admitted to the North Wales Hospital for Nervous and Mental Disorders during the year 1949 .....	82	104
No. of Voluntary Patients who left the Hospital during the year 1949 .....	69	80
No. of Voluntary Patients who died during the year 1949 .....	3	3

## TEMPORARY PATIENTS.

	Males.	Females.
No. of Temporary Patients admitted to the North Wales Hospital for Nervous and Mental Disorders, Denbigh, during the year 1949 .....	2	1
No. of Temporary Patients discharged during the year 1949 .....	—	—
No. of Temporary Patients who died during the year 1949 .....	2	1

C. L. EDWARDS,

Chief Authorised Officer.

**MENTAL DEFICIENCY ACTS, 1913-38.****Name of Local Health Authority—County Council of Denbigh.**

- (i) Particulars of Mental Defectives as on 1st January, 1950.

(N.B.—No case should be entered under more than one heading of (1) or (2) and only “live” cases should be included).

- (1) Number of Ascertained Mental Defectives found to be “subject to be dealt with”:

	M.	F.	T.
(a) In Institutions (including cases on licence therefrom):—			
Under 16 years of age .....	6	4	10
Aged 16 years or over .....	32	86	118
(b) Under Guardianship (including cases on licence therefrom):—			
Under 16 years of age .....	1	—	1
Aged 16 years and over .....	1	—	1
(c) In Places of Safety .....	—	—	—
(d) Under Statutory Supervision (excluding cases on licence):—			
Under 16 years of age .....	18	8	26
Aged 16 years or over .....	22	21	43
(e) Action not yet taken under any of above headings .....	9	6	15
	—	—	—
Total ascertained cases found to be “subject to be dealt with” .....	89	125	214
	—	—	—



	M.	F.	T.
No. of cases included in (b) to (e) above awaiting removal to an Institution .....	15	13	28
	—	—	—
(2) Number of Mental Defectives not at present "Subject to be dealt with" but over whom some form of voluntary supervision is maintained:—			
Under 16 years of age .....	—	—	—
Aged 16 years and over .....	—	2	2
	89	127	216
	—	—	—
(3) Number of Mental Defectives receiving training:—			
(a) In day training centres:—			
Under 16 years of age .....	—	—	—
Aged 16 years and over .....	—	—	—
(b) At Home .....	—	—	—
Total .....	—	—	—
	—	—	—
(ii) Particulars of cases reported during the year 1949.			
(1) Ascertainment:—			
(a) Cases reported by Local Education Authorities (Section 57 Education Act, 1944):—			
(i) Under Section 57 (3) .....	6	1	7
(ii) Under Section 57 (5) .....	—	—	—
On leaving Special Schools .....	—	—	—
On leaving Ordinary Schools .....	—	—	—
(b) Other ascertained defectives reported during 1949 and found to be "subject to be dealt with" .....	3	7	10
	—	—	—
Total ascertained defectives found to be "subject to be dealt with" ....	9	8	17
	—	—	—
(c) Other reported cases ascertained during 1949 who are not at present "subject to be dealt with" .....	—	2	2
	—	—	—
Total number of cases reported during the year .....	9	10	19
	—	—	—

	M.	F.	T.
(2) Disposal of cases reported during the year:—			
(a) Ascertained defectives found to be "subject to be dealt with":—			
(i) Admitted to Institutions .....	—	2	2
(ii) Placed under Guardianship .....	—	—	—
(iii) Taken to "places of safety" .....	—	—	—
(iv) Placed under statutory supervision .....	—	—	—
(v) Died or removed from area .....	—	—	—
(vi) Action not yet taken .....	9	6	15
	—	—	—
Total ascertained defectives found to be "subject to be dealt with" (to agree with the total of (1) (a) and (1) (b) above) .....	9	8	17
	—	—	—
(b) Cases not at present "subject to be dealt with":—			
(i) Placed under voluntary supervision .....	—	—	—
(ii) Later found to be not defective ...	—	—	—
(iii) Died or removed from area .....	—	—	—
(iv) Action unnecessary .....	—	—	—
(v) Action not yet taken .....	—	2	2
	—	—	—
Total cases not as present "subject to be dealt with" (to agree with the numbers entered under (1) (c) above) .....	—	2	2
	—	—	—
(iii) Number of Mental Defectives in Institutions under Community Care including Voluntary Supervision or in Places of Safety on 1st January, 1949, who have ceased to be under any of these forms of care during 1949:—			
	M.	F.	T.
(a) Ceased to be under care .....	8	3	11
(b) Died, removed from area or lost sight of .....	18	9	27
	—	—	—
Total .....	26	12	38
	—	—	—
(iv) Of the total number of Mental Defectives known to the Local Authority:—			
(a) Number who have given birth to children during 1949:—			
(i) After marriage ... Nil.			
(ii) While unmarried . Nil.			
	M.	F.	
(b) Number who have married during 1949 ...	—	—	

# ANNUAL REPORT OF THE COUNTY SANITARY OFFICER

for the year ended 31st December, 1949.

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I herewith submit my report on the administration of the Milk (Special Designations) Orders, 1936-46, and the Milk (Special Designations) (Pasteurised and Sterilised Milk) Regulations, 1949, in the County.

## Tuberculin Tested Milk.

The total number of licences issued for the production of Tuberculin Tested Milk to 30th September, 1949, was 437. With the transfer of the functions from the County Council to the Ministry of Agriculture and Fisheries it is interesting to recall the progress made in the County since the Order came in force in 1936:—

1936	Licences issued	17
1937	„	22
1938	„	27
1939	„	34
1940	„	35
1941	„	32
1942	„	38
1943	„	41
1944	„	117
1945	„	165
1946	„	247
1947	„	310
1948	„	369
1949	„	437

It will be seen that the progress has been good since 1943, the increase being 396 producers. This increase has been due to two main reasons, firstly the policy of your Public Health Department which has been to persuade producers to upgrade their herds and to bring their shippens and dairies to the required standard for the production of Tuberculin Tested Milk.

The second reason is that the improved economic position of the farmer has made it possible for him to improve his premises. In addition to the licences granted I have visited 145 farms of prospective Tuberculin Milk producers and given assistance and advice on the improvement and reconditioning of their premises. Where necessary, plans and specifications have been prepared in accordance with the standards set by the County Council.

I feel certain that we will see a substantial increase in the number of Tuberculin Tested Milk Producers in the County in the immediate future. It is the aim of the majority of farmers to-day to become T.T. Milk Producers.

### **Accredited Milk.**

The number of accredited milk licences issued during the year was 427.

The 1st of October, 1949, saw the coming into force of the New Milk Regulations which made radical changes in the control of milk production. It is, however, unfortunate that under the new regulations the Ministry of Health have been relegated to the background. The Health Authorities, under their direction, had hitherto been responsible for the production, cleanliness and safety of our milk supply. It is our sincere hope that with the added powers which the new regulations afford, and also the fact that officers can give full time to the work, milk production will continue to improve. Milk is part of the daily diet of most people and emphasis should be given to this aspect, milk must be produced pure and safe for human consumption.

The Milk (Special Designations). (Pasteurised and Sterilised Milk) Regulations, 1949, made the County Council the Licensing Authority for the granting of licences for the use of the Special Designation Pasteurised and Sterilised Milks which are so treated on the premises.

There are seven pasteurising establishments in the County and six applied for licences under the regulations. After consultation with the County Medical Officer standards for the layout, control, maintenance and management of the processing establishments and plants have been formulated.

Compliance with these standards will give a reasonable guarantee that milk after pasteurisation will pass the tests enumerated in the Regulations. Regular samples of milk have been taken and all have passed the tests. Frequent inspections of the premises, plant and processing have been made. I here wish to record by appreciation of the excellent co-operation and assistance given me by the Management at the processing establishments.

The following are particulars of Veterinary Tests of Dairy Cattle.

**(a) Clinical Examinations of Dairy Cattle.**

	No. of Herd Inspections	No. of Cattle examined	No. of Cattle slaughtered under the Tuberculosis Order, 1938.
Tuberculin Tested and Certified Herds ..	637	20169	—
Accredited or Standard Herds .....	940	22679	19
Non-designated Herds .....	2662	16948	10

**(b) Tuberculin Testing of Herds licensed to produce Tuberculin Tested and Certified Milk.**

No. of Cattle tested .....	20125
No. of Reactors .....	41

**(c) Tuberculous Milk: Veterinary Investigations.**

No. of investigations outstanding from previous quarters .....	1
No. of initial reports from Medical Officer of Health .....	1
No. of herds involved .....	1
No. of cases of tuberculosis of the udder found .....	1
No. of investigations not yet completed .....	1

**Tuberculous (Attested Herds) Schemes.**

No. of Attested Herds .....	607
No. of Supervised Herds .....	66

**Mastitis.**

	Number of Cases.		
	Very marked.	Marked.	Slight.
Tuberculin Tested Herds	—	10	16
Accredited Herds .....	2	43	59
Non-designated Herds ...	3	44	29

T. HUGHES,

County Sanitary Inspector.

County Offices,

Ruthin.



# ANNUAL REPORT OF THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FOR THE YEAR ENDED 31st MARCH, 1950.

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The Society employs three full-time and two part-time Certificated Home Teachers in the County, and at March 31st, 1950, they were responsible to the Society for the care and welfare of 423 Registered Blind Persons. The duties of the Home Teachers include regular and systematic visits, additional visits in urgent and special cases, those in need of hospital treatment, etc. The Home Teachers also include where necessary the teaching of Braille and Moon and Pas-time occupations.

The Society's Necessitous Grants Committee dealt with 42 applications, submitted by the Home Teachers on behalf of the Blind, all the applications were sanctioned, the total cost amounting to £56, which was paid out of the Society's General Charity Fund. In addition to this sum, the cost of providing White Sticks, Library Books, Equipment and Materials for Home Workers was also borne by the Society. The cost of postage on Library Books both to and from the Blind Person is borne by the Society. Motor Tours were organised, the expenses amounting to £130 being paid by the Society.

The Social Centre at Wrexham continues to give good service weekly to the Blind persons in that area. Social Teas, Games, Lectures, etc., are provided free, the whole cost of running this centre is borne by the Society. Another Social Centre has been opened at Colwyn Bay, this is also proving a boon to the Blind. Both centres are supervised by a Voluntary Committee of ladies and gentlemen, the Home Teachers concerned render every possible assistance which ensures the success of these two centres. Motor Tours for the Blind are also organised in Wrexham District, also for the residents at the Llys Onnen Home for the Blind of Abergele and Colwyn Bay, these are additional to those mentioned above.

The Llys Onnen Home continues to function very satisfactory, the accommodation is fully booked for 8 months of the year, the largest number of holiday residents are from

Denbighshire. The Llys Onnen Sub-Committee meets monthly at the Home, and owing to the interest taken by this Committee the Blind are assured of a warm welcome and their needs are immediately dealt with.

Electric and Battery Wireless Sets are issued free through the generosity of the British "Wireless for the Blind" Fund. The cost of repairs and replacements such as batteries and accumulators is borne by the Society.

A Christmas Gift of 12/6d. was presented to each Blind person in the County; this gift is made possible from the collections made at the various schools of the North Wales Counties. All expenses—printing, envelopes and list of previous subscriptions and postages are borne by the Society.

The Agreement made between the Society, the National Institute for the Blind and the National Library for the Blind continues to work amicably and to the benefit of the Society.

The Crosville Motor Services Ltd. issue Bus Vouchers to a large number of Blind persons in the County. The cost of the Vouchers is 2/6d. each and is a boon to the Blind.

There are 4 Permanent Residents from the County of Denbigh at Llys Onnen.

In Denbighshire there are 6 Home Workers; 64 Pastime Workers; and 17 in Open Industry.

# FOOD AND DRUGS ACT, 1938.

## Annual Report for the Year ended 31st December, 1949.

To the Chairman and Members of the Health, etc.,  
Committee.

Ladies and Gentlemen,

I beg to report that during the year ended 31st December, 1949, 472 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, the particulars being as follows:—

Article.	No. taken.	Formal.	Informal.	Result of analysis.	
				Genuine.	Not genuine or sub- standard.
Milk:					
Retail .....	301	301	—	248	53
On delivery .....	2	2	—	—	2
Appeal-to-Cow .....	7	7	—	4	3
Butter .....	18	—	18	18	—
Jam .....	16	—	16	15	1
Condensed Milk .....	3	—	3	3	—
Tinned Celery .....	1	—	1	1	—
Sweets .....	7	—	7	7	—
Sausages .....	18	4	14	12	6
Wines (Alcoholic) .....	2	1	1	2	—
Sponge Mixture .....	1	—	1	1	—
Meat Paste .....	2	—	2	2	—
Tinned Fish .....	2	—	2	2	—
Tea .....	1	—	1	1	—
Mustard .....	2	—	2	2	—
Salad Cream .....	2	—	2	2	—

Article.	No. taken.	Formal.	Informal.	Result of analysis.	
				Genuine.	Not genuine or sub- standard.
Beer .....	2	—	2	2	—
Cooking Fat .....	3	—	3	3	—
Baking Powder .....	1	—	1	1	—
Cheese .....	2	—	2	2	—
Vinegar .....	3	—	3	3	—
Pepper .....	3	—	3	3	—
Gin .....	1	—	1	1	—
Tonic Wine .....	1	1	—	1	—
Fish Paste .....	2	—	2	2	—
Sweetening Tablets .....	1	—	1	1	—
Suet .....	2	—	2	2	—
Coffee and Chicory Essence	1	—	1	1	—
Custard Powder .....	3	—	3	3	—
Rice .....	1	—	1	1	—
Soyagetti .....	1	—	1	1	—
Gelatine .....	2	—	2	2	—
Rum .....	1	—	1	1	—
Buns .....	1	—	1	1	—
Table Jelly .....	1	—	1	1	—
Cocoa .....	1	—	1	1	—
Cakes .....	3	—	3	3	—
Ground Coffee .....	1	—	1	1	—
Sausage Meat .....	1	—	1	1	—
Ice Cream .....	19	—	19	19	—
Brandy .....	1	—	1	1	—
Aspirin Tablets .....	2	—	2	2	—
Fruit Drink .....	5	1	4	5	—
Saccharin Tablets .....	3	—	3	3	—
Flour .....	2	—	2	2	—
Table Water .....	1	—	1	1	—

Article.	No. taken.	Formal.	Informal.	Result of analysis.	
				Genuine.	Not genuine or sub- standard.
Sherry .....	2	—	2	2	—
Whiskey .....	3	—	3	3	—
Honey .....	1	—	1	1	—
Sugar .....	2	—	2	2	—
Bread .....	1	—	1	1	—
Sweet Spirit of Nitre ....	1	—	1	—	1
Mixed Pickles .....	1	—	1	1	—
Olive Oil .....	1	—	1	1	—
Mincemeat .....	1	—	1	1	—
Plum Pudding .....	1	—	1	1	—
Cordial .....	1	1	—	1	—
Cake Mixture .....	1	—	1	1	—
	—	—	—	—	—
Totals .....	472	318	154	406	66
	—	—	—	—	—

The average percentages of fat, and of solids-not-fat contained in the milk sampled during the year were:—

	Fat.	Solids-not-fat.
Eastern Division .....	3.45%	8.63%
Western Division .....	3.58%	8.69%
Whole County .....	3.5%	8.65%
The legal presumptive standard is .....	3.0%	8.50%

As will be observed from the above table, 53 retail and 2 "on delivery" samples of milk were certified by the Public Analyst as being "not genuine" by reason of their failure to attain the standard of fat, or of solids-not-fat prescribed by the Sale of Milk Regulations. Of the 53 retail samples, 43 involved deficiencies too slight to justify any further action, 4 were eliminated by comparison samples, in 5 instances the vendors were advised, cautioned or are being kept under

observation, and the remaining sample was the subject of a prosecution. One "on delivery" sample was eliminated by an "appeal-to-cow" sample, but a similar sample taken for comparison with the other "on delivery" sample only confirmed the presence of added water, and legal proceedings were instituted against the producer concerned.

In addition to the above-mentioned samples of milk which were submitted to the Public Analyst, 80 informal samples of milk were tested at the Wrexham and Colwyn Bay Offices, on behalf of farmers and dairymen, and also for preliminary information. The milk supplied to the Childrens Homes, County Welfare Establishments, Schools and certain Hospitals in the County was also periodically examined.

Samples of food, other than milk, which were certified as "not genuine" comprised:—

An informal sample of jam which was slightly deficient in soluble solids. This commodity is being kept under observation.

An informal sample of Sweet Spirit of Nitre was deficient in the active principle, Ethyl Nitrite. The residual stock was insufficient to provide a formal sample, and the vendor was therefore cautioned.

Four informal samples of Sausages were found to be below the 50 per cent. standard for meat content. Four formal samples were subsequently taken from the same vendors, and in two instances these were found to be genuine, in the two other cases the second samples were certified as being 23 per cent. and 24 per cent. deficient in meat content, and legal proceedings were instituted against the offenders, both being convicted and fined.

All other samples were certified by the Public Analyst as being genuine and free from all prohibited preservatives and colouring matter.

Appended hereto is a table giving particulars of prosecutions instituted and completed during the year.



In conclusion, I beg to acknowledge my indebtedness to the Clerk, and also to the Legal Department of the County, for their generous assistance throughout the year.

I have the honour to be,

Your obedient Servant,

D. WYNNE GRIFFITH,

Chief Sampling Officer.

16 Woodland Road East,

Colwyn Bay.

5th January, 1950.

Year ended 31st December, 1949.

PARTICULARS OF PROSECUTIONS INSTITUTED AND COMPLETED DURING THE YEAR

Article	Nature of Offence	Result	Fine	Costs	Total
Milk	Deficient in Fat	Convicted	£3 3 0	£5 5 0	£8 8 0
Sausages	Deficient in Meat Content	Convicted	£5 0 0	£4 4 0	£9 4 0
Milk	Added Water	Convicted	£5 0 0	£10 0 0	£15 0 0
Sausages	Deficient in Meat Content	Convicted	£5 0 0	£4 4 0	£9 4 0
		Totals	£18 3 0	£23 13 0	£41 16 0





